**Team 203-4: Dumpster Devs**
Zoe Stewart
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Makayla Johnson
Quinn Stone
Mitchell LaRocque

**Project Name:** Sports Stats Master - http://sportsstatsmaster.com
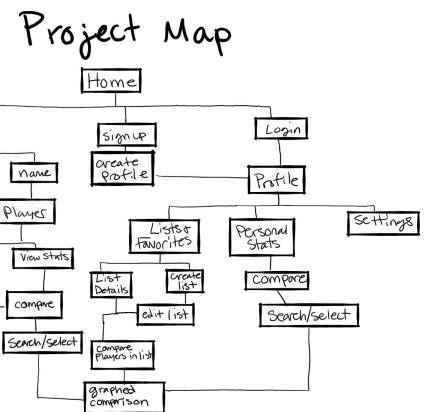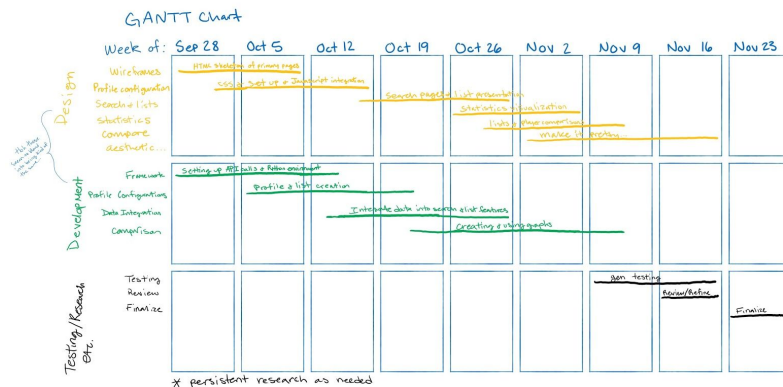
**Project Features:**

- Profile Creation
    - Description: Ability for users to create a unique and personal profile for themselves in order to save their list of favorite players/data, and/or save their own personal stats/comparisons for their sport
- Pull/Display Data
    - Description: Pulling stats and presenting them within the site under various categories (by sport, by better/worse, etc)
- Compare/Visualize Data
    - Description: Ability for users to select a few players of the same sport in order to compare and visualize stats in graph or other format. Maybe be able to do a "6 degrees of Kevin Bacon" type thing between players as well?
- Share/Browse Data
    - Description: Assign unique ID and link to each graph depending on parameters, share to others. Track popularity through cookie traffic.
- Download Sports Data
    - Description: Ability to export stats through .csv and other file types to get the data they fetched through the web application onto their local machine
- Sports Rankings
    - Description: Using sports analytics algorithms to be able to rank players in a specific sport. Give suggestions on fantasy sports lineups.

**Requirements:**

| Feature | Functional | Non-Functional |
|---------|-----------|----------------|
| Pull/Display Data | As a user I want to create lists of players so that I can categorize my favorites and filter my results.<br>Criteria/Requirements:<br>● Any user that has signed up is able to search for players and add them to lists specific to the user. This increases access to specific players to make the user/site interaction more efficient. There should be a simple system design so that | As a developer the webpage should be able to display the requested data in a timely manner, include recent data, and results should be able to be easily/quickly filtered based on criteria.<br><br>Criteria/Requirements:<br>Each page is consistent in design, and provides clear information without distracting colors and text. This increases understanding of the site for more effective use. |

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|---|---|---|
| | users can easily navigate/locate features. | |
| Compare/Visualize Data | As a user I want to see info via graphs so that I can easily compare player statistics.<br>Criteria/Requirements:<br>● Users can select players from the same sport, and graphs of their stat category over a specified time will be created to make comparisons more understandable. | As a player I want my stats to be up to date so that the website can accurately show my standings. The use should not only be able to see the information, but should be able to interact with it. |
| Profile Creation | As a user I want to have a personal profile so that I can log in and save my lists/info.<br>Criteria/Requirements:<br>● Users can (re)set their password, have a profile picture, and possibly a bio to personalize their account. | As a user, I want to return to the platform in my own customizable page where I can easily access past stats and graphs that I've created.<br>The user should easily be able to reset their password and their credentials should be kept safe. |
| Download Sports Data | As a user, I want to download the data so that I can explore on my own.<br>Criteria/Requirements:<br>● A user that has signed up is able to select and download data to a spreadsheet. | As a player, having the data be exportable allows the data to be more tangible and personalizable. |
| Sports Rankings | As a user I want to know which players are better so that I can choose the best for my team.<br>Criteria/Requirements:<br>● Users can view a page that uses some algorithm (decided later) to rank players by sport and position. Rankings are up to date and easy to understand. | As a sports team gambler I want the predictions to be as accurate as possible taking in many factors (like performance over recent weeks) so I can place accurate bets. |
| Share/Browse Data | As a user I want to be able to share my generated graphics and compiled stats/comparisons with others.<br>Criteria/Requirements:<br>● The user should be able to view the shared information without having to log in, but may need additional credentials/create an account if they want to save the shared data to their account/edit it. | As a player, I may want to share interesting statistics with friends/family. As a developer I may also want to see what players/stats are popular so I can leverage those as stats or to bring more people to the platform. |

**Project Plan:** also uploaded on the repository as a PDF



- The above is a GANTT Chart that will be used to see the general timeline of the project. The "Project Map" Diagram will be used to show what features will be accessible from what page and how functionality is tied to pages.
- **The Due Date/Contributor oriented plan is integrated as sprints with deadlines in our JIRA Board.**
  - The features will be implemented in their individual sprints (**in order**):
    i. Profile Creation
    ii. Pull and Display Data
    iii. Download Sports Data
    iv. Compare/Visualize Data
    v. Sports Ranking/Analysis Algorithm
    vi. Share and Browse Data/Graphs

**Individual Contributions:Link to JIRA Project Management Board**

Zoe Stewart
- work on developing wireframes through HTML/CSS for main pages, search page

Quinn Stone
- work on developing wireframes through HTML/CSS for main pages, home page (index.html)

David Dayan
- Most recent github commit. I have been working on POC for Flask and Django backend. We are using Flask now. I have gotten a basic webpage working and have successfully used sports-reference API to gather data. I have also documented how to use package locks. I will now implement a backend database and statistics/graphic generation.

Mitchell LaRocque

- Begin working on backend with David. Researching Flask implementation and methods to use databases.

John Lee
- Completed Wireframe diagrams. research javascript integration

Makayla Johnson
- Work on researching javascript integration

**Wireframes Diagrams:also uploaded in github milestones folder as PDF**